

Abstract:

Method and Device for Producing and/or Adjusting an
Electromagnetically Controllable Actuator

Method and device for producing and/or adjusting an electromagnetically controllable actuator which is appropriate to control the flow of a fluid, with the actuator comprising an electromechanical arrangement that can be driven by means of an exciter coil (9) including at least one movable armature (6), and with the electromechanical arrangement acting mechanically on a valve actuating device for opening and closing the actuator, with the valve actuating device comprising at least one closing element (5), a resetting element (27) for opening or closing the closing element when the exciter coil is not excited, and a valve seat (4) into which the closing element for opening or closing the actuator engages, and whereupon at least one electromagnetic property of the actuator is measured and the measured electromagnetic property itself or a quantity derived therefrom is used as an actual value for a control of a correcting variable, and this correcting variable is taken into account directly to produce or adjust the actuator.

(Figure 2)